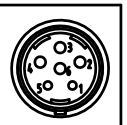
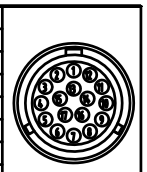
6 Pin Power Connector

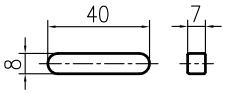
Pin	Function	COLOR
1	NC	
2	U	YELLOW
3	V	RED
4	W	BLACK
5	NC	
6	PE	YELLOW/GREEN



17 PIN Encoder Connector

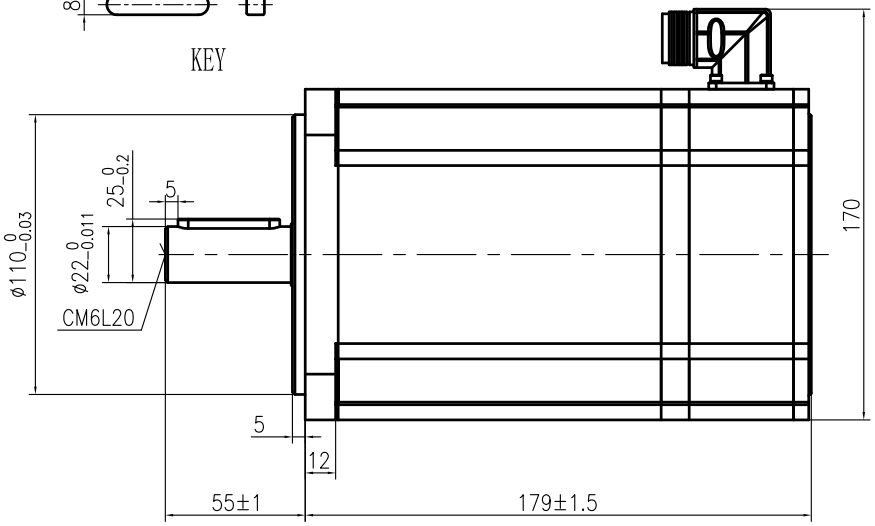
Pin	Fuction	COLOR	Pin	Fuction	COLOR
1	VCC+	WHITE	10	NC	
2	GND	BLACK	11	NC	
3	VB	ORANGE	12	NC	
4	GND	BROWN	13	SHIELDING	
5	NC		14	NC	
6	NC		15	NC	
7	NC		16	SD	BLUE
8	NC		17	/SD	PURPLE
9	NC				

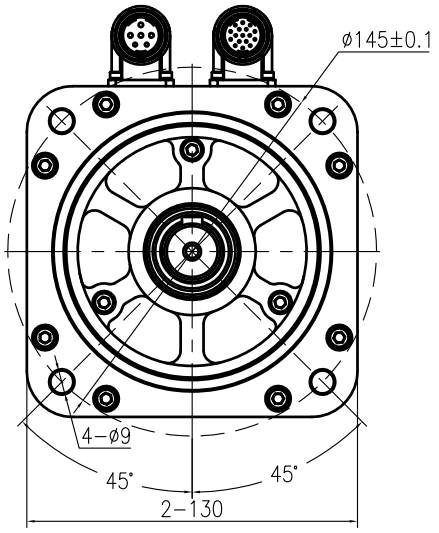


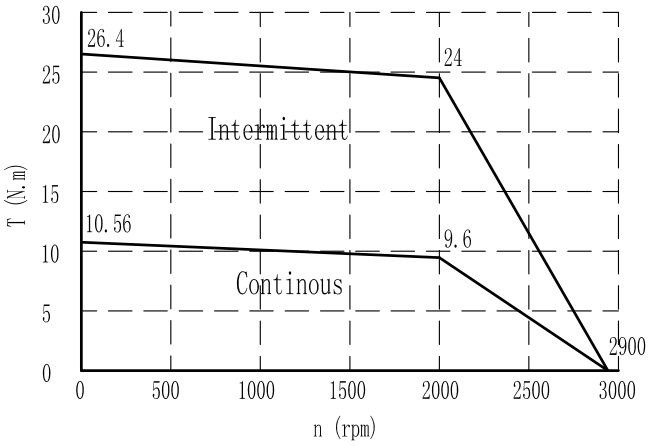


6 PIN MOTOR CONNECTOR

17 PIN ENCODER CONNECTOR







Tecnical Data	
No. of poles	8
DC Link Voltage UDC (DC Link)	300
Rated Power PN (W)	2000
Rated Torque TN (N.m)	9.6
Rated Speed nN (rpm)	2000
Rated Current IN (A)	8.8
Maximum torque Tm (N.m)	24
Maximum Current Im (A)	26.4
Standstill torque Ts (N.m)	10.56
Standstill current Is (A)	9.68
Resistance line-line RL (Ω)	0.93
Inductance line-line LL (mH)	8.8
Electrical time constant τe (ms)	9.46
Mechanical time constant τm (ms)	1.97
Voltage constant Ke (V/krpm)	72.8
Torque constant KT (Nm/A)	1.20
Rotor moment of inertia Jm (Kg.cm²)	17.7
Max. voltage rising du/dt(KV/μs)	8
Insulation class	F
Max. radial force Fr(N)	900
Max. axial force Fa(N)	450
Weight(Kg)	9.1
Feed back device	absolute encoder
	MAR-HX50AHN10
Temperature sensor	n.a.
Cooling method	Totally enclosed non-ventilated
protection level	IP65, shaft sealing IP54
Evironmental conditions — Temperature	-20℃~40℃
Evironmental conditions — Humidity	Below 90%RH (No dewing)
Evironmental conditions — Environment	Far away active gas, combustible gas, oil drop, ash.
Evironmental conditions — Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m, max.4000m
Rating conditions — Mounting	Aluminum flange 457x457x12.7mm
Rating conditions — Temperature	60K housing temperature ring at 40℃ ambient

V1.1

S/N: ZPNPK00YYDDDNNNN

REV	ECN NO.	DRN	APP'D	DATE
V1.1	KA19065	LS	ZZB	19.4.2

UNLESS OTHERWISE SPECIFIED TOLERANCES:
DECIMALS: ANGULAR:
.x ±0.5 ±0°30'
.xx ±0.25
.xxx ±0.1
UNIT: mm
DO NOT SCALE DRAWING

MATERIAL | CONTR.

FIRST ANGLE PROJECTION

		DATE
DESIGN	YJL	2018.5.31
CHECK	ZZB	2018.5.31
APPD	SL	2018.5.31
SCALE		
SHEET	OF	

P/N.	9.6654SS
TITLE	Outside Diagram
USED ON	SMS130D-0200-20KAK-4LKP
DWG NO.	REV V1.1